

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	
<b>DECLARATION OF ROBERT ZELLER</b>	Atty. Docket No. <b>MYKR1190-6</b>
Applicants: <b>Chris A. Tsourides</b>	
Application Number <b>Unknown</b>	Filed <b>August 27, 2003</b>
For: <b>SYSTEM AND METHOD FOR INTEGRATING GAS COMPONENTS</b>	
Group Art Unit <b>Unknown</b>	Confirmation Number <b>Unknown</b>
Application No. of Parent <b>09/961,595</b>	Filing Date of Parent <b>September 24, 2001</b>
Group Art Unit of Parent <b>3753</b>	Examiner of Parent <b>John C. Fox</b>

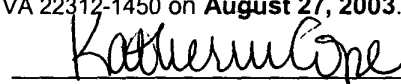
**MAIL STOP Patent Application**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**Certification Under 37 C.F.R. §1.10**

I hereby certify that this document is being deposited with the United States Postal Service as Express Mail to Addressee in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22312-1450 on **August 27, 2003**.

  
Katherin Cope

**DECLARATION OF ROBERT ZELLER**

I, Robert Zeller, Research and Design Manager at Mykrolis Corporation (assignee of the above-identified patent application), hereby make the following declarations:

1. I have worked in the semiconductor manufacturing industry for over 12 years, including positions in product development.
2. I have had significant contact with manufacturers and vendors of gas components and experience with the design of gas components.

3. I have reviewed United States Patent Application Serial No. 09/261,251 entitled "System and Method for Integrating Gas Components" (hereinafter, the "Gas Components Application") as originally filed.

4. At the time the Gas Components Application was originally filed, gas components were commonly designed based on customer specifications and were manufactured in multiple configurations. Thus, one of ordinary skill in the art could understand, at that time, how to reconfigure gas components to achieve a number of different fluid flow paths.

5. At the time the Gas Components Application was originally filed, those of ordinary skill in the art could understand, without undue experimentation, the requirements for a fluid flow path through a gas component based on the positioning of the fluid flow inlet and outlet. Therefore, based on the Gas Components Application, and given the examples therein, one of ordinary skill in the art could reconfigure gas components, without undue experimentation, to have inlets and outlets such that gas could flow through a gas component to and from another gas component.


6. The examples provided in the Gas Components Application as filed adequately describe how to stack various gas flow components (e.g., a filter, a pressure transducer, and a monitor) such that one of ordinary skill in the art would understand how to reconfigure other gas flow components, including, but not limited to, purifiers, pressure transducers, mass flow controllers, displays, moisture monitors, gauges, valves, diffusers, capacitance diaphragm gauges and pressure regulators to be stackable. From the disclosure in the Gas Components Application, one of ordinary skill in the art would understand which gas components could be stacked together to form a functioning stacked gas component including two or more constituent gas components. One of ordinary skill in the art would understand how to construct the fluid flow paths for various gas components such that the gas components could be stacked according to the Gas Components Application.

7. One of ordinary skill in the art would further understand how to reconfigure each gas flow component such that the gas flow component can be (i) mounted to a modular base; (ii) mounted to another gas flow component; or (iii) sandwiched between other gas flow components. For example, FIGURE 5B illustrates a filter, pressure transducer, monitor arrangement. The pressure transducer can be mounted to another component (e.g. a filter), be sandwiched between two components (e.g. a filter and a monitor) or could, itself, be mounted to a modular base.

8. The term “modular base” had a well-known meaning in the art at the time the Gas Components Application was filed. The term modular base, at the time the Gas Components Application was filed, meant a base with multiple ports such that gas components could be mounted to the base. The gas components were each mounted separately to the modular base such that gas would flow from the base into the component and back into the base. Modular bases provided a manifold to which gas components could be attached, significantly reducing the footprint of a gas flow system over traditional gas sticks.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'R. Zeller', written over a horizontal line.

Robert Zeller  
Mykrolis Corporation

Date: August 8, 2003

DECLARATION AND POWER OF ATTORNEY

As the below-named inventor(s), I hereby declare  
that:

My residence, post office address and citizenship are  
as stated below next to my name.

I believe I am the original, first and sole inventor  
(if plural, names are listed below) of the subject matter which  
is claimed and for which a patent is sought on the invention,  
design or discovery entitled, System and Method for Integrating  
Gas Components, the specification of which:

  X   is attached hereto.  
           was filed on                    as Application  
Serial No.                    and was amended  
on                    (if applicable).

I hereby state that I have reviewed and understand  
the contents of the above-identified specification, including  
the claims, as amended by any amendment(s) referred to above;  
that I do not know and do not believe that said invention,  
design or discovery was ever known or used in the United States  
of America before my invention or discovery thereof, or  
patented or described in any printed publication in any country  
before my invention or discovery thereof, or more than one year  
prior to this application, or in public use or on sale in the  
United States of America more than one year prior to this  
application; that said invention, design or discovery has not  
been patented or made the subject of an inventor's certificate  
issued prior to the date of this application in any country  
foreign to the United States of America on an application filed

by me or my legal representatives or assigns; and that I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me which is material to the patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Number</u>	<u>Country</u>	<u>Date Filed</u>	<u>Priority Claimed</u> (Yes) (No)
---------------	----------------	-----------------------	---

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

<u>Application Serial Number</u>	<u>Date Filed</u>	<u>Status</u>
None		

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

60/109,166  
(Serial No.)

November 20, 1998  
(Filing Date)

I hereby appoint:

WILLIAM N. HULSEY III	Registration No. 33,402
STEPHEN E. REITER	Registration No. 31,192
GREGORY P. RAYMER	Registration No. 36,647
DAVID F. KLEINSMITH	Registration No. 40,050
BARRY N. YOUNG	Registration No. 27,774
TIMOTHY W. LOHSE	Registration No. 35,255
STANLEY H. KIM	Registration No. 40,047
DARLENE W. HAYES	Registration No. 33,899
RAMSEY R. STEWART	Registration No. 38,322
STEVEN R. SPRINKLE	Registration No. 40,825
MICHAEL A. HOFF	Registration No. 40,018

all of the firm of Gray Cary Ware & Freidenrich, as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent applications filed thereon before any international authorities and to file any continuation, divisional, continuation-in-part, reissue or re-examination applications thereon.

ATTORNEY DOCKET  
MILL1190-1

PATENT

4

Direct all telephone calls to:

Steven R. Sprinkle  
Telephone: (512) 457-7025

Send all correspondence to:

Steven R. Sprinkle  
GRAY CARY WARE & FREIDENRICH LLP  
100 Congress Avenue, Suite 1440  
Austin, Texas 78701

I hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

---

Full name of first inventor:	Christ A. Tsourides
Inventor's signature:	<u>Chris A. Tsourides</u>
Date:	<u>2/26/99</u>
Residence (City, County, State)	McKinney, Collin County, Texas
Citizenship:	United States of America
Post Office Address:	4911 Silver Weed Drive McKinney, Texas 75070